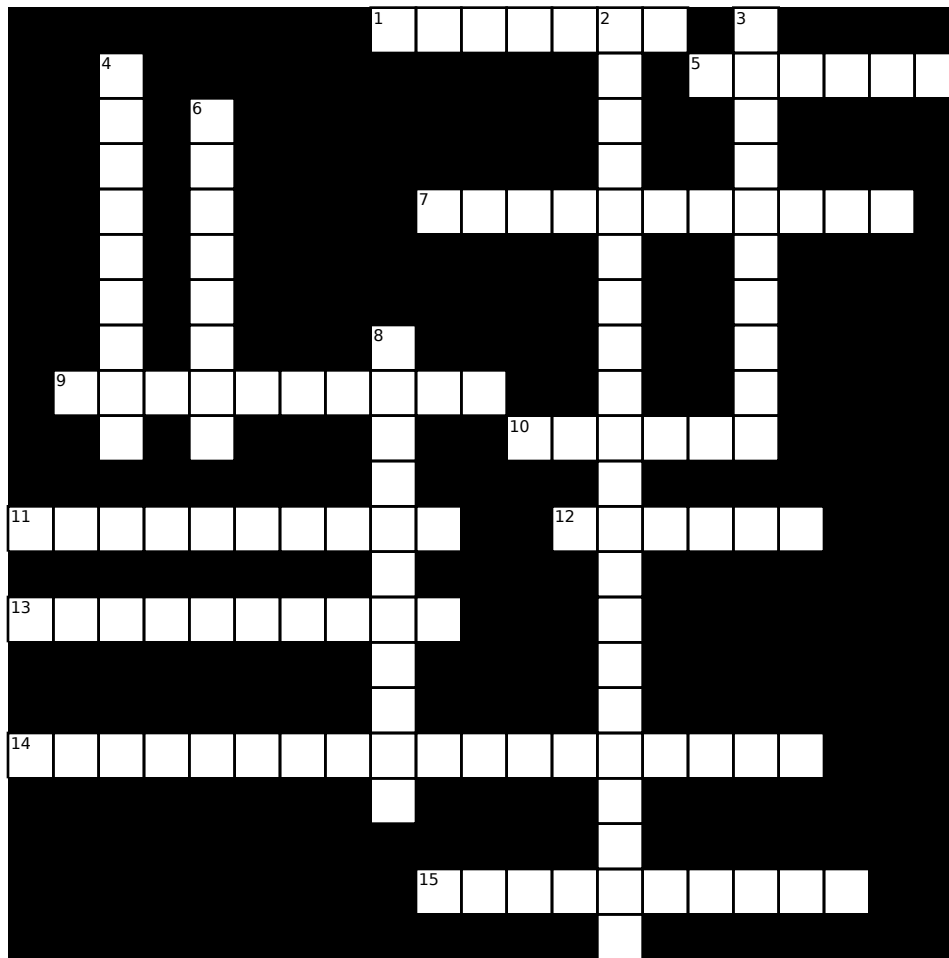


# Chapter 1 - What is Physics

Complete the puzzle, using your textbooks for help.



## Across

- 1 The science of matter and its motion.
- 5 A set of particles or interacting components considered to be a distinct physical entity for the purpose of study
- 7 the first step in the scientific method.
- 9 the final explanation, part of the scientific method.
- 10 A pattern, plan, representation, or description designed to show the structure.
- 11 if a meterstick or balance is not in good working order, also known as \_\_\_\_\_ error.
- 12 three basic measurements: \_\_\_\_\_, mass, and time.
- 13 Galileo performed many experiments to test his \_\_\_\_\_.
- 14 those digits in a measurement that are known with certainty plus the first digit that is certain.
- 15 the \_\_\_\_\_ method, is used by every person doing an experiment

## Down

- 2 an experiment that tests only one factor at a time by using a comparison of a control group with an experimental group.
- 3 an explanation that is based on prior scientific research or observations and that can be tested.
- 4 the degree of exactness of measurement.
- 6 description of how close a measurement is to the correct or accepted value of the quantity measured.
- 8 \_\_\_\_\_ analysis can help identify whether a physics equation is invalid.